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ABSTRACT

This book is about learning and teaching with personal computers. It is aimed at teachers, student teachers, those responsible for pre-service and in-service teacher training, school administrators, and parents. The book is arranged in four sections. Part I includes two chapters providing a theoretical framework for learning and teaching with computers. Part II contains three chapters that advocate that students regard computers as a natural and integral part of their lives. The concept of computer literacy is discussed, suggestions are made for integrating the computer into the existing curriculum, the acquisition of computer knowledge and skills is explored from the view of the teacher and the classroom culture, and questions of assessment and evaluation are raised. Part III provides the bulk of information resulting from an empirical study of 115 sixth and seventh grade students with their own laptop computers. Findings of the study include characteristics of learning with laptops, individual differences in attitudes and learning, and gender differences. Part IV deals with issues relating to the professional development of teachers who are teaching students with computers and makes some suggestions about the contribution of teachers to the evaluation and development of educational software. Forms and guidelines for evaluating courseware are included. (Contains 350 references.) (KRN)

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